

## TOMBSTONE EPITAPH.

REPPY &amp; PECK, Publishers.

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OFFICIAL PAPER OF COCHISE COUNTY

ALFALFA AND JOHNSON GRASS.  
We clip from the Florence (A. T.) En-  
terprise the following:

Mr. W. C. Fuller has finished cutting his fifth crop of alfalfa for the present year, the last cutting giving a yield of about a ton of hay to the acre. He has on his ranch, four and a half miles east of town, fifteen acres of alfalfa, and has got over 150 tons of hay from the field, an average of ten tons to an acre all of which brought \$12.50 per ton in Florence.

The first crop last spring yielded four and one half tons to the acre; the subsequent crops were not permitted to grow so rank, but they exceeded a ton to the acre on an average.

The proceeds of the total crop of hay from Mr. Fuller's 15-acre field amounted to \$1875, or \$125 per acre, and he has the benefit of a fine pasture all winter. This is not an exceptional production, but any industrious and attentive farmer can accomplish as good results every year.

To the Eastern farmer this may seem incredible, but it is only one of the many methods of growing rich alfalfa in Arizona, where the mowing machine is in use long after the snow has fallen in the East, and again in the spring long before it melts.

Can the cotton growers of the Southern States, or the grain farmers of the Middle and Western States, show any such results, or even half or quarter such profits per acre on their best farms? Alfalfa being perennial and always reliable for from six to ten tons of hay per acre, if irrigated, will certainly keep in good condition the year round from three to five head of horses or cattle per acre.

Of Johnson grass (sorghum halapense) but little is known in Arizona. In the Southern States it is decidedly the most valuable of all the grasses grown in that section, and in this country, where the land can be irrigated, it will doubtless yield as much or more than alfalfa, and the quality of the hay is much better for working animals. From an old copy of the South and West we extract the following:

Among all the grasses that grow, none is attracting the attention of the world as much as the Johnson grass (sorghum halapense). Experience proves that it is worthy to stand at the head of all cultivated grasses. Some of its virtues are as follows: It is perennial, a rapid grower, very nutritious, being eagerly devoured by all kinds of stock, comes early in the spring, grows until the frost cuts it down late in the fall, stands the drought better than any other grass, having long cane-like roots, which penetrate the soil to a great depth for moisture, superior, both as a grazing and hay grass, has abundance of roots, which decay, thereby enriching the ground, rather than exhausting it, as Timothy does; belonging to the sorghum family, it contains much saccharine, which is an important factor in the feeding of stock, it will grow on any land where corn will grow, in fact corn is only a larger species of grass. It is undoubtedly the best forage plant known. On land that will produce a bale of cotton to the acre, four to six tons of hay can be cut per annum, cutting three and four times; heavy fertilizing would produce greater results. Plow deep and prepare ground well, sow in early spring, or in August or September, sow broadcast one (1) bushel clean seed per acre.

Mr. Walter Caruth, one of the largest and most successful farmers of Dallas county, Texas, writes to a friend in reply to a letter making inquiries about his success with Johnson grass: "I regard the Johnson grass the king of all grasses for hay; cut mine four times last year, making two tons per acre in each cutting."

Mr. Wm. Little, another farmer at Hutchins, Dallas county, Texas, is cultivating said grass extensively, he writes after a fair trial of same: "The Johnson grass is a grand success, and is the best grass for hay I have ever seen, and makes more of it than any other grass."

It is safe to say that with such results as are reported on lands liable to suffer more or less from the drought every year, that in this climate, where irrigation is practicable, Johnson grass would yield from eight to ten tons of hay per annum to the acre.

Another responsibility thrown on saloon keepers. Chief Justice Gordon, of Pennsylvania, has decided that the keeper of a saloon is bound to protect his customers from insult or injury while on his premises, and is liable to damages should he fail to do so.

Fred W. Smith, Receiver in the Tucson Land Office, was largely instrumental in having repealed the obnoxious order of Ex-Commissioner Sparks which declared that land upon which four mesquit trees grew was not subject to entry under the desert land law. Fred has proven to be the right man in the right place.

A correspondent of the Tucson Citizen, writing from Colorado, says that the boom is surely making for Arizona. The newspapers have been giving the country a large amount of gratuitous advertising during the past year, the effect of which will soon begin to be felt. The change during the next twelve months in this territory will be wonderful.

Last week was a busy one for Judge Barnes. Among a large amount of other work disposed of, he severed the marital relations of a man from one woman and united him to another. The Judge is always genial, accommodating, and therefore popular.

## COCHISE COUNTY.

Can Its Vast Area of Rich Lands be Successfully Irrigated?

Wishing a reply to the above question from an authoritative source, a few days ago we addressed a note to Mr. H. C. Howe, the well-known civil engineer, and received the following reply:

TOMBSTONE, A. T., Nov. 25, 1887.

EDITOR EPITAPH:—In answer to your letter of the 21st inst., in regard to the feasibility of storing water in reservoirs, in the foot hills and mountain ranges in this Territory, and especially in the Prescott and Bradshaw ranges, for the purposes of irrigation, I will state my views from the limited examination I have made upon this subject. First, our location. Cochise County is situated in the southeast corner of Arizona, bounded on the south by Mexico, east by New Mexico, and on the continental divide, the streams and springs forming the head waters of the Rio Grande flowing to the east of us and the streams and springs forming the head waters of the Gila and San Pedro flowing north and west, emptying into the Colorado, and the streams and springs forming the head waters of the Sonora and Yaqui, flowing south and west, emptying into the Gulf of California.

This county is traversed upon the extreme northeast by the Peloncillo range; then by the Pinaleno, Dos Cabezas and Chiricahua mountains; next by the Galiuro range, Limestone, Dragoon and Mule mountains, and along the west by the Santa Catalina, Sierra Colorado, Whetstone, Mustang and Huachuca mountains. The general direction of these different ranges of mountains is north and south.

Between the Peloncillo and the Pinaleno, Dos Cabezas and Chiricahua range, lies the broad San Simon valley with a drainage to the NNW. This valley, below the rolling foot-hills about fifteen miles wide and over eighty miles in length, over one-half or about two hundred thousand acres, can be utilized and cultivated by irrigation.

The Sulphur Spring valley, lying between the Pinaleno, Dos Cabezas and Chiricahua mountains on the east, and the Galiuro, Limestone, Dragoon and Mule mountains on the west, is about ten miles wide and nearly one hundred miles long, three-fourths of which can be utilized and cultivated by irrigation. One great advantage had in this valley is the immense body of water flowing a few feet below its surface. This valley drains to the south and forms one of the sources of the Yaqui river.

The San Pedro valley, lying west of the Galiuro, Limestone, Dragoon and Mule mountains, and east of the Huachuca, Whetstone and Santa Catalina mountains, is over one hundred miles in length, but varying in width. This valley, though not as wide as the Sulphur Spring or San Simon valleys, has along the San Pedro river fine bottom lands, a great portion of which are improved.

The mountain ranges above described are broad and more or less broken up, forming reservoirs in themselves, where water is stored, to what extent can only be determined by a careful investigation and exploration.

DESSERT LAND.

The following order to Col. Slater does away with the four mesquit stump rule that Commissioner Sparks for a while annoyed our settlers with:

DEPARTMENT OF THE INTERIOR,  
GENERAL LAND OFFICE,  
WASHINGTON Nov. 3, 1887.

M. R. Slater, Special Agent G. L. O. Tucson Arizona.

Sir: I am in receipt of several reports from you upon desert land entries in Arizona, to the effect that no grass or other agricultural crop would grow upon the land without artificial irrigation, but there is an average of four or five mesquit trees to an acre.

Such a growth of trees is not considered sufficient to exempt the land from entry under the desert land act where the land is clearly of the character mentioned above.

It will therefore be unnecessary for you to report on such entries except in cases where you have been directed by this office to make such an investigation.

S. H. STACKLAGER, Asst. Commissioner.

S. L. Hart, A. J. Godfrey and Ben Wharton returned Tuesday from a ten days hunting trip in Sonora, south of the San Bernardino ranch. They bagged one deer, one wild turkey and innumerable ducks and smaller game.

The races and baseball match which were to take place at the fair grounds on Thanksgiving day, were postponed on account of the rain, which fell steadily for twenty-four hours.

Furniture sold on the installment plan on easy terms at Baggs's.

Palpitation of the Heart.

Persons who suffer from occasional palpitation of the heart, are often unaware that they are the victims of heart disease, and are liable to die without warning. They should banish this alarming symptom and cure the disease by using Dr. Flint's Heart Remedy. At all druggists, or J. J. Mack & Co., 9 and 11 Front street, San Francisco.

## THE HOWARD MINE.

A Committee of Citizens Visit it and Submit Their Report.

A committee consisting of Governor Zulick, Levi Bashford, John H. Marion, T. W. Otis, D. J. Sullivan, R. H. Burmister, H. A. Bigelow and W. C. Hazeltine, was appointed at a citizens' meeting at Prescott to visit and report upon the Howard mine. The following is the report:

"The Howard mining claim, the exceptional richness of which has caused considerable excitement in Prescott during the past ten days, is situated on the upper Hassayampa creek, about nine miles nearly due south of Prescott. It is approachable by wagon road within a few hundred yards in two directions, by the Prescott and Bradshaw wagon road, which crosses the vein 800 or 1000 feet north of the shaft in which the mineral is found, and by the road to the old Chase mine that ends at that point about the same distance south of the shaft. There is also a trail to Harlan's cabin, which runs between the two roads.

"The vein is no new strike. On the contrary, it is an old location, and its ores have been known for years to be worth about \$24 per ton. While doing the little work required by the United States mining laws for the present year, the owners started to sink a shaft on the vein on the hillside between the creek and the Prescott and Bradshaw roads. At the depth of seven feet a blast was put in, which opened a pocket of wonderfully rich ore, as is evident from the fact that from ore loosened up by the blast, the owner panned out a lot of gold which was brought to town, melted, run into a bar, and sold to the Bank of Arizona, which contained \$1,499.91 in gold and \$21.08 in silver.

"The work of the succeeding four days, from the same methods of working, resulted in the production of another bar, which Mr. W. E. Hazeltine, cashier of the Bank of Arizona, produced at the meeting, containing \$1,028.53 gold and \$18 silver. The value of both bars is \$2,515.52.

"In addition to the bars, Mr. Harlan has sold quite a quantity of the ore for cabinet specimens, and has a lot on hand which it is proposed shall be reduced in gold bars at his leisure, and also three or four tons of ore on the dump at the shaft, estimated to be worth, perhaps, \$100 per ton.

"Harlan's statement is that the whole amount so far taken out, will not exceed \$4,000, all of which has been found in sinking the last three feet in the bottom of the shaft.

"Hon. Levi Bashford produced a piece of ore that came out of the bottom of the shaft, which Frank Alters picked up on the dump, and Mr. Bashford bought of Harlan, that weighs three pounds and seven ounces, (and is now on exhibition at Bones' fruit store), which good judges estimate contains about \$50 to \$60 in gold.

"The members of the committee who examined the vein above and below the shaft, state that on the Howard claim, the ledge is exposed for a distance of 1000 feet or more, in little holes and cuts, which show from six to ten inches of ore of the same character as that at the shaft, on the surface, showing in pan or horn spoon washing a value of \$25 or \$30 per ton, and that the rich ore in the bottom of the shaft apparently pitches in a northerly direction into the hill, and that a prospect of a continuous body of rich ore for at least three hundred feet above the shaft, is most excellent, judging from all of the surface indications."

The EPITAPH is turning out as superior a class of commercial job work, such as bill heads, letter heads, statements, etc., as can be procured anywhere. It is neatly put in pads, without extra charge. Call and see samples.

The best butter in town at Wolcotts The J. H. White brand.

THE WESTERN SETTLER'S CHOSEN SPECIFIC.

With every advance of immigration into the far West, a new demand is created for Hostetter's Stomach Bitters. Newly peopled regions are frequently less salubrious than older settled localities, on account of the miasma which rises from recently cleared land, particularly along the banks of rivers that are subject to freshets. The agricultural or mining emigrant soon finds, when he does not already know, that the Bitters afford the only sure protection against malaria, and those disorders of the stomach, liver and bowels, to which climate changes, exposure, and unaccustomed or unwholesome food are so liable to subject him. Consequently, he places an estimate upon this great household specific and preventive commensurate with its intrinsic merit, and is careful to keep on hand a restorative and preservative of health so implicitly to be relied upon in time of need.



Brown—"You seem to be very good natured, Smith; what has happened?"

Smith—"I have been sending away for boots and shoes for years, and I find I can buy a better article for less money of J. M. Leary, right here at home. His store is on Allen street, between Fifth and Sixth, north side. Give him a call and make yourself happy as well."

## NEW ADVERTISEMENTS.

## Pre-emption Notice.

(Declaratory Statement No. 1711.)

UNITED STATES LAND OFFICE,  
TUCSON, Arizona, Nov. 22, 1887.  
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the Register and Receiver of the U. S. Land Office at Tucson, Arizona, on the 18th day of January, 1888, viz: James O. Stanford, of Tombstone, A. T., for the SW 1/4 section nine, T. 21, S. R. 25 east. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: Joe Tasker, John Wilson, Tedrow, F. A. Abbott, W. A. Fuller, all of Tombstone, A. T.

A. D. DUFF, Register.

## Pre-emption Notice.

(Declaratory Statement No. 1699.)

UNITED STATES LAND OFFICE,  
TUCSON, Arizona, Nov. 22, 1887.  
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the Register and Receiver of the U. S. Land Office at Tucson, Arizona, on the 18th day of January, 1888, viz: Joseph Tasker, of Tombstone, Arizona, for the S. E. 1/4 Sec. 2, T. 20 S. R. 26 E. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: Jas. O. Stanford, J. W. Tedrow, J. W. Sanderson, George Pridham, all of Tombstone, Arizona.

A. D. DUFF, Register.

## Pre-emption Notice.

(Declaratory Statement No. 1904.)

UNITED STATES LAND OFFICE,  
TUCSON, Arizona, Nov. 22, 1887.  
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the Register and Receiver of the U. S. Land Office at Tucson, Arizona, on the 18th day of January, 1888, viz: John Wilson, of Tombstone, A. T., for the SE 1/4 of sec. 19, T. 20 S. R. 26 E. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: James O. Stanford, George Pridham, Joseph Tasker and W. A. Fuller, all of Tombstone, A. T.

A. D. DUFF, Register.

## Notice of Homestead Proof.

(Homestead Application No. 173.)

UNITED STATES LAND OFFICE,  
TUCSON, Arizona, Nov. 22, 1887.  
Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the Register and Receiver of the United States Land Office at Tucson, Arizona, on the 16th day of January, 1888, viz: F. M. Diaz, widow of Antonio Diaz, of Benson, Arizona, for the W 1/2 and NE 1/4, SW 1/4 and NW 1/4, section 32, T. 15, S. R. 20 E. He names the following witnesses to prove his continuous residence upon, and cultivation of, said land, viz: Antonio Grijalva, John D. Allen, Antonio Comandison, Ramon Pacheco, all of Benson, Arizona.

A. D. DUFF, Register.

## Summons.

In the Justice's Court of Precinct No. 1, County of Cochise, Territory of Arizona.

Before Jno. C. F. son, a Justice of the Peace.

Cochise County Bank, plaintiff, vs. J. D. Merchant, non-resident defendant. Action brought in the said Justice's Court and the complaint filed in the said Court by said Justice of the Peace in the said County of Cochise.

The Territory of Arizona sends greeting to J. D. Merchant, a non-resident defendant. You are hereby summoned and required to appear in an action brought against you by the above named plaintiff in the said Justice's Court before the said Justice of the Peace, at his office in the City of Tombstone, Cochise County, Arizona, on or before the 15th day of January, 1888, to answer the said complaint filed therein, within five days (exclusive of the day of service) after the service on you of this summons, if served within this precinct, or if served with this precinct, but in this county, within ten days, or if served out of this county within fifteen days; otherwise within twenty days, or judgment by default will be taken against you according to the prayer of said complaint. The said action is brought to recover judgment against you for the sum of \$35, the amount of a Bill of Exchange, drawn by you on The State National Bank at El Paso, Texas, and paid by plaintiff to the said bank, and costs, and you are hereby notified that if you fail to appear and answer the said complaint, as above required, the plaintiff will apply for judgment by default against you for said sum and all costs.

Given under my hand at my said office this 25th day of November A. D. 1887.

J. W. C. EASTON,

Justice of the Peace, in and for said Precinct, County and Territory.

THE FELICE MINING COMPANY.—LO-

cation of principal place of business, San Francisco, California; location of works, Tombstone, Cochise County, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Directors held on the 15th day of November, 1887, an assessment (No. 1) of twenty cents per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin, to the Secretary, at the office of the Company, 224 Montgomery Street, Room 8, San Francisco, California.

Any stock upon which this assessment shall remain unpaid on the 17th day of December, 1887, will be delinquent, and advertised for sale at public auction; and unless payment is made before, will be sold on MONDAY, the 9th day of January, 1888, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Directors.

T. F. HOLLING, Secretary.

Office—224 Montgomery Street, Room 8, San Francisco, California.

THE FISHER MINING COMPANY.—LO-

cation of principal place of business, San Francisco, California; location of works, Tombstone, Cochise County, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Directors held on the 15th day of November, 1887, an assessment (No. 1) of twenty cents per share was levied upon the capital stock of the corporation, payable immediately in United States gold coin to the Secretary, at the office of the Company, No. 224 Montgomery Street, Room 8, San Francisco, California.

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T. F. HOLLING, Secretary.

Office—No. 224 Montgomery Street, Room 8, San Francisco, California.

Notice to Creditors.

(Estate of Antonio Edmonds, deceased.)

Notice is hereby given by the undersigned administrator of the estate of Antonio Edmonds, deceased, to the creditors of and all persons having claims against the said deceased to exhibit them with the necessary vouchers within ten months after the first publication of this notice to the said administrator, at his place of business, City of Tombstone, County of Cochise, Territory of Arizona. B. S. COFFMAN, Administrator of the estate of Antonio Edmonds deceased. Dated this 24th day of November, 1887.

WANTED.—FOR TOMBSTONE AND

vicinity, a young or middle aged lady to canvass for holiday books; our books are the most valuable in the market, and the commissions we give are very liberal. Experience in the business is not essential, as we give full instructions. Address, PERRY PUB. CO., Denver, Colo.

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